

INNOVATIONS TO FIGHT RESPIRATORY DISEASES

Prevention, research and treatments

December 3-4th 2024

Biocitech Paris-Romainville

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Chiesi



EPITHELIX

Program

Tuesday december 3rd, 2024

9h30 Welcome Coffee and registration

10h00-10h30 Keynote lecture

10h00-10h30 **Claire ANDREJAK**, CHU Amiens-Picardie, Présidente SPLF (Société de Pneumologie de Langue Française)
Maladies respiratoires = un réel enjeu de santé publique en 2024

10h30-11h30 Session 1 - Research and Innovations

Chairs : **Mustapha SI-TAHAR**, INSERM, Université de Tours and **Olivier MONCORGÉ**, IRIM - UMR9004 (Institut de Recherche en Infectiologie de Montpellier)

10h30-10h50 **Olivier MONCORGÉ**, IRIM - UMR9004 (Institut de Recherche en Infectiologie de Montpellier)
Prepared for the next virus pandemic: The APPEAL project

10h50-11h10 **Mustapha SI-TAHAR**, INSERM, Université de Tours
Metabolic control of lung inflammation

11h10-11h30 **Geneviève HÉRY-ARNAUD**, INSERM U1078, CHU Brest, Faculté de Médecine, Université de Brest
Lung microbiota: a new frontier in diagnosing and treating respiratory diseases

11h30-12h30 Discussions - Session 1

12h30-14h00 Buffet lunch and posters viewing

14h00-15h20 Session 2 - Experimental models

Chair: **Christian PELLEVOISIN**, *MatTek & Urbilateria consulting*

14h00-14h20 **Jan MARKUS**, *MatTek*

Applications of 3D tissue engineering of the human upper and lower respiratory system in basic and applied research

14h20-14h40 **Hanan OSMAN-PONCHET**, *PKDERM*

Advances in In Vitro Modeling of Lung Diseases: Focus on Precision-Cut Lung Slices (PCLS) Model

14h40-15h00 **Andrea BENASSI**, *Chiesi*

Developing a digital twin of the human respiratory system

15h00-15h20 **Erwan CORCUFF**, *Cynbiose*

A preclinical platform for the investigation of respiratory viral infections in the NHP model

15h20-15h50 Coffee break and posters viewing

15h50-16h50 Session 3 - Innovative therapeutics and diagnostics approaches

Chair : **Geneviève HÉRY-ARNAUD**, *INSERM U1078, CHU Brest, Faculté de Médecine, Université de Brest*

15h50-16h10 **Sylvia COHEN-KAMINSKY**, *Directrice de recherche CNRS, Inserm*

UMR_S999, Université Paris Saclay

The vascular NMDA receptor in PAH (Pulmonary Arterial Hypertension), an out-of-the-box academic scientific strategy towards therapeutic innovation

16h10-16h30 **Thomas GUILLARD**, *Université de Reims Champagne-Ardenne, Inserm UMR-S 1250 P3Cell, CHU de Reims, Laboratoire de bactériologie-Virologie-Hygiène hospitalière, Reims, France*

Lessons Learned from Using the FilmArray Pneumonia Panel Plus in the Field

16h30-16h50 **Nelly BADALATO**, *GenoScreen*

Detection of resistant forms of Mycobacterium tuberculosis (NGS)

16h50-17h50 Discussions - Session 2 and 3 (with all speakers and chairs)

17h50-20h00 Cocktail and networking

Wednesday december 4, 2024

8h30 Welcome Coffee

9h00-9h30 Flash Scientific Posters

- 9h00-9h05 **Patrice MOREL**, [SATT OUEST VALORISATION](#)
New treatment to prevent asthma
- 9h05-9h10 **Alice TRAUSCH**, [VOXCAN](#)
Miniaturized primary airway epithelia and reporter viruses development for antiviral drug screening against respiratory viruses
- 9h10-9h15 **Samuel CONSTANT**, [Epithelix](#)
In vitro human airway epithelial platform for the development of novel anti-bacterial drugs
- 9h15-9h20 **Samuel CONSTANT**, [Epithelix](#)
Fingerprint of the most prevalent respiratory viral strains on in vitro primary human nasal epithelium
- 9h20-9h25 **Fabienne ARCHER**, [IVPC - INRAE-Univ Lyon1](#)
Generating complex physiological lung tissue using 3d bioprinting to study respiratory pathologies
- 9h25-9h30 **Safaa MAWAS**, [Université Paris Cité - CNRS UMR 8251](#)
Inhaled nanoplastics as vectors for Benzo(a)pyrene: Unveiling a synergistic mechanism of airway toxicity

9h30-9h45 Flash Corporate Presentations

- 9h30-9h35 [Chiesi](#)
- 9h35-9h40 [Epithelix](#)
- 9h40-9h45 [MatTek](#)

9h45-12h15 Session 4 - Prevention, inner air pollution and environmental aspects

Chair : Fabien SQUINAZI, [Health and environment consultant, Faculté de médecine de Paris](#)

- 9h45-10h05 **Samuel CONSTANT**, [Epithelix](#)
Advanced immunocompetent in vitro primary human lung models for toxicity evaluation of airborne fibers and nanomaterials
- 10h05-10h25 **Didier LECOINTE**, [CHSF](#)
Prevention of viral respiratory infections
- 10h25-10h45 **Franz DURANDET**, [IAGE \(Ingénierie et Analyse Génétique Environnementale\) Montpellier](#)
Early detection and quantification of human pathogens in the environment
- 10h45-11h15 *Coffee break and posters viewing*
- 11h15-11h35 **Frédéric MAUNY**, [CHRU Besançon](#)
Sanitary warnings to the population and medical care professionals in case of atmospheric pollution episodes

11h35-11h55 **Evelyne GÉHIN**, [Université Paris-Est Créteil](#)
Strategy of ventilation and aeration of facilities in case of exceptional epidemic situation

11h55-12h15 **Philippe DUQUENNE**, [INRS](#)
Prevention of occupational biological risks in a context of poly-exposure "biological agents/chemical substances": a few examples

12h15-13h15 **Discussions - Session 4 and final conclusions**

13h15-15h15 *Buffet lunch and networking*

15h15 **Conference ends**